

Mouse CD3 Monoclonal Antibody | anti-CD3 antibody

MOUSE ANTI DOG CD3:FITC

CATALOG # AAA49609	HOST Mouse	APPLICATIONS Flow Cytometry, Functional Assay
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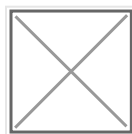
PRODUCT SYNONYMS

CD3; Monoclonal Antibody; MOUSE ANTI DOG CD3:FITC; anti-CD3 antibody

PRODUCT SPECIFICATIONS

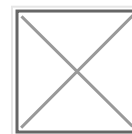
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	CA17.2A12
Form/Format	FITC Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid
Concentration	IgG concentration 0.1 mg/ml (varies by lot)
Sequence Length	202
Applicable Applications for anti-CD3 antibody	FCM/FACS (Flow Cytometry)
Perservative Stabilisers	0.09% Sodium Azide 1% Bovine Serum Albumin Preparation
Buffer Solution	Phosphate buffered saline
Target Species	Dog
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. This product should be stored undiluted. Storage in frost free freezers is not recommended. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.

IMAGES



Application Data

Staining of canine peripheral blood lymphocytes with Mouse anti Canine CD3



Application Data

Published customer image: CD11b+CD14-MHCII- cells suppress T cell proliferation. FACS sorted CD11b+CD14-MHCII- cells isolated from a dog with osteosarcoma or healthy PBMCs were co-incubated with mitogen-stimulated CD4+ and CD8+ T cells isolated from a healthy dog for 72 hs. No stimulated cells were used as negative control. Proliferative responses were measured by 3H-thymidine incorporation from experiments performed in triplicate. CPM, counts per minute. Mean +/- SEM are shown. From: Goulart MR, Pluhar GE, Ohlfest JR (2012) Identification of Myeloid Derived Suppressor Cells in Dogs with Naturally Occurring Cancer. PLoS ONE 7(3): e33274.

ADDITIONAL INFORMATION

Related Product Information for anti-CD3 antibody	Mouse anti Dog CD3 antibody, clone CA17.2A12 recognises the canine CD3 cell surface antigen, expressed by thymocytes and mature T lymphocytes. CD3 is engaged in the surface expression of the T-cell antigen receptor (TCR) and the signal transduction pathway resulting from MHC ligand binding to the TCR. CD3 is made up of a number of invariant subchains of the immunoglobulin superfamily. Mouse anti Dog CD3 clone CA17.2A12 is a valuable flow cytometric and immunohistologic tool for canine lymphoma detection of T-cell origin (Miniscalco et al. 2003).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	50979254
NCBI GeneID	442981
NCBI Accession #	NP_001003379.1
NCBI GenBank Nucleotide #	NM_001003379.1
UniProt Accession #	P27597
Molecular Weight	22,642 Da
NCBI Official Full Name	T-cell surface glycoprotein CD3 epsilon chain
NCBI Official Symbol	CD3E
NCBI Protein Information	T-cell surface glycoprotein CD3 epsilon chain; CD3E antigen, epsilon polypeptide (TiT3 complex)
UniProt Protein Name	T-cell surface glycoprotein CD3 epsilon chain
UniProt Gene Name	CD3E
UniProt Entry Name	CD3E_CANFA

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd3-antibody-clone-ca17-2a12-flow-cytometry-elisa/49609>